

# VOLUME 26, 1997 LIST OF CONTENTS

## *Number 1/2*

### SUMMA SUMMARUM

#### Delft Safety Science Group 10th Anniversary Conference

- |                                  |   |   |
|----------------------------------|---|---|
| <b>A.R. Hale</b>                 | 1 | Editorial. Special issue for the 10th Anniversary of the Safety Science Group at the TU Delft   |
| <b>A.R. Hale and J. de Kroes</b> | 3 | System in safety. 10 years of the chair in Safety Science at the Delft University of Technology |

#### Section I: Risk Assessment and Accident Analysis

- |   |    |   |
|---|----|---|
| <b>L. Goossens and A. Hale</b>              | 21 | Editorial. Risk assessment and accident analysis  |
| <b>W.A. Wagenaar and J. van der Schrier</b> | 25 | Accident analysis. The goal, and how to get there   |
| <b>L.H.J. Goossens and R.M. Cooke</b>       | 35 | Applications of some risk assessment techniques: Formal expert judgement and accident sequence precursors |
| <b>R.M. Cooke</b>                           | 49 | Uncertainty modeling: Examples and issues   |

#### Section II: Safety in Design

- |  |    |  |
|--|----|--|
| <b>P. Swuste</b>   | 61 | Editorial. Safety in design  |
| <b>P. Swuste, L. Goossens, F. Bakker and J. Schrover</b> | 63 | Evaluation of accident scenarios in a Dutch steel works using a hazard and operability study |
| <b>P. Vink, I.J.M. Urlings and H.F. van der Molen</b>    | 75 | A participatory ergonomics approach to redesign work of scaffolders                          |
| <b>D. van Aken</b>                                       | 87 | Consumer products: Hazard analysis, standardization and (re)design                           |
| <b>P. Swuste, A. Hale and G. Zimmerman</b>               | 95 | Sharing workplace solutions by solution data banks   |

#### Section III: Management of Safety in Systems

- |   |     |  |
|---|-----|--|
| <b>A.R. Hale</b>  | 105 | Editorial. Management of safety in systems                         |
| <b>J.A. Stoop and W.A.H. Thissen</b>                      | 107 | Transport safety: Trends and challenges from a systems perspective |
| <b>A.R. Hale, B.H.J. Heming, J. Carthey and B. Kirwan</b> | 121 | Modelling of safety management systems                             |
| <b>T. Heijer, E. Wiersma and P.H. Polak</b>               | 141 | Proposed safety criteria for traffic control on motorways          |

## *Number 3*

**J. Østvik, T. Rundmo  
and L. Sjøberg**

**H.-C. Chin and S.-T. Quek**

**P.-O. Bylund, U. Björnstig  
and T.J. Larsson**

**H.S. Shannon, J. Mayr  
and T. Haines**

**V.L.G. Blank, L. Laflamme  
and R. Andersson**

- |     |  |
|-----|--|
| 155 | Associations between safety climate and emotional reactions to platform movements onboard an offshore installation |
| 169 | Measurement of traffic conflicts   |
| 187 | Occupational road trauma and permanent medical impairment  |
| 201 | Overview of the relationship between organizational and workplace factors and injury rates                         |
| 219 | The impact of advances in production technology on industrial injuries: A review of the literature                 |

